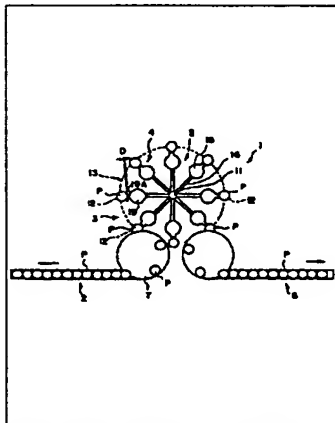


===== WPI =====

- TI - Electron beam sterilizer of empty plastic container e.g. cool drinking water container - comprises supply structure which supplies empty plastic container and electron beam irradiator which sterilizes it by electron beam irradiation
- AB - JP11137645 Electron beam sterilizer comprises a supply structure (2) which supplies empty plastic containers which are fixed by vacuum suction and made to lap around by a lap mechanism (3). Electron beam is irradiated to the empty container by electron beam irradiator (4) and empty plastic container are maintained at fixed space. The electron beam irradiated empty plastic container is ejected by an ejection mechanism (6).
- USE - Electron beam sterilizer is used for sterilizing plastic bottles e.g. PET bottle used for cool drinking water.
- ADVANTAGE - Sterilization by an in-line high speed and an in-line low dose is made and the irradiation amount of an electron beam is equalised with respect to the cross-sectional shape of an empty plastic container by providing space maintenance mechanism.
- (Dwg.1/4)
- PN - JP11137645 A 19990525 DW199932 A61L2/08 005pp
- PR - JP19970329659 19971114
- PA - (ASAH-N) ASAHI INRYO KK
- (SUMH ) SUMITOMO HEAVY IND LTD
- MC - A11-C A12-P01B D09-A01C D09-A02
- DC - A35 A92 D22 P34 Q31
- IC - A61L2/08 ;B65B55/08
- AN - 1999-374392 [32]

===== PAJ =====

- TI - ELECTRON BEAM STERILIZER FOR PLASTIC EMPTY CONTAINER
- AB - PROBLEM TO BE SOLVED: To provide an electron beam sterilizer for a plastic empty container which can sterilize a plastic empty container P at a high speed (not slower than 300 beams/min, e.g.) by the electron beams of low voltage and low beam amount in an erect state being a normal carrying state without making the container P used for refreshing beverages, etc., turn over on its side and can sterilize the container P of a round type, a square type, etc., without regard to their shapes.
- SOLUTION: The device is provided with a rotating mechanism 3 vacuum-sucking and fixing the container P fed from a feeding mechanism 2 and rotating the container P in a fixed state, an electron beam irradiating mechanism 4 irradiating the rotating container P with electron beams and an interval keeping mechanism 5 holding an interval D between the mechanism 4 and the container P with a constant spacing.
- PN - JP11137645 A 19990525
- PD - 1999-05-25
- ABD - 19990831
- ABV - 199910
- AP - JP19970329659 19971114
- PA - ASAHI INRYO KK;SUMITOMO HEAVY IND LTD
- IN - ABE HIROSHI;KITAMURA KAZUHISA;MATSUMURA SHIRO
- I - A61L2/08 ;B65B55/08



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